Index to Volume 66

Aakvaag, Asbjørn, 926
Abdominal Temperature Regulation by Arctic Bumblebees, 257
Aerobic Respiration during Sulfide Exposure in the Marine Echiuran Worm *Urechis caupo*, 1
Agar, Mark W., 561
Arends, Alexis, 322
Arnbom, Tom, 43
Arp, Alissa J., 1
Avery, Harold W., 902
Avery, Susan B., 902

Barboza, Perry S., 807, 983
Beaupre, Steven J., 128, 437
Behavioral Effects of Thyroxine in a Lizard (*Ameiva undulata:* Teiidae), 148
Bennett, Albert F., 270
Bernstein, Marvin H., 829
Bintz, Gary L., 561
Birds Conserve Plasma Volume during Thermal and Flight-incurred Dehydration, 829
Bjorndal, Karen A., 384
Black-bellied Sandgrouse (*Pterocles orientalis*) and Pin-tailed Sandgrouse (*Pterocles alchata*): Closely Related Species with Differing Bioenergetic Adaptations to Arid Zones, 20
Blier, Pierre U., 474
Blood Viscosity of the Little Penguin, *Eudyptula minor,* and the Adélie Penguin, *Pygoscelis adeliae:* Effects of Temperature and Shear Rate, 720
Bolten, Alan B., 384
Boness, Daryl J., 61, 412
Bosque, Carlos, 322
Bowen, W. Don, 61, 412
Boyd, Ian, 43
Burrow Microhabitat of the Land Crab *Cardisoma guanhumi:* Respiratory/Ionic Conditions and Physiological Responses of Crabs to Hypercapnia, The, 216

Carmi, Nurit, 829
Castellini, Judith M., 619
Castellini, Michael A., 619, 732
Castrucci, Ana Maria de L., 181
Charrassin, Jean-Benoit, 750
Cherel, Yves, 750
Choi, In-Ho, 455
Clarke, Judy, 720
Cole, K. R., 1045
Comparative Activities of the Chromatophorotropins RPCH, α-PDH, and β-PDH on Three Crustacean Species, 181
Comparison of Body Reserve Buildup in Prefasting Chicks and Adults of King Penguins (*Aptenodytes patagonicus*), 750
Comparison of the Aerodynamic Forces on a Flying Sphingid Moth with Those Predicted by Quasi-steady Theory, 1015
Congdon, Justin D., 902
Coniferyl Benzoate in Quaking Aspen (*Populus tremuloides*): Its Effect on Energy and Nitrogen Digestion and Retention in Ruffed Grouse (*Bonasa umbellus*), 580

Daan, Serge, 490
Daily Rhythms in Rates of Glomerular Filtration and Cloacal Excretion in Captive and Wild Song Sparrows (*Melospiza melodia*), 708
DeMarco, Vincent, 166
Determinants of the Aerobic Dive Limit of Weddell Seals: Analysis of Diving Metabolic Rates, Postdive End Tidal Po_2's, and Blood and Muscle Oxygen Stores, 732

Development of Temperature Regulation in Shorebirds, 771
Development of Thermoregulation and the Energetics of Nestling Oilbirds (*Steatornis caripensis*), 322
DIETZ, THOMAS J., 863
Digesta Retention and Digestive Performance in Sciurid and Microtine Rodents: Effects of Hindgut Morphology and Body Size, 396
Digestive Efficiencies in Herbivorous and Omnivorous Freshwater Turtles on Plant Diets: Do Herbivores Have a Nutritional Advantage? 384
Digestive Strategies of the Wombats: Feed Intake, Fiber Digestion, and Digesta Passage in Two Grazing Marsupials with Hindgut Fermentation, 983
DOMÍNGUEZ-BELLO, MARÍA G., 374
DUDLEY, ROBERT, 793
DUNHAM, ARTHUR E., 128

EATON, RACHEL A., 1
Ecological Study of Oxygen Consumption in the Mottled Rock Rattlesnake, *Crotalus lepidus lepidus,* and the Black-tailed Rattlesnake, *Crotalus molossus molossus,* from Two Populations, An, 437
Effect of Maternal Size and Milk Energy Output on Pup Growth in Grey Seals (*Halichoerus grypus*), The, 61
Effects of pH and Temperature on the Kinetics of Pyruvate Oxidation by Muscle Mitochondria from Rainbow Trout (*Oncorhynchus mykiss*), 474
Effects of Reduced Ambient pH on Sodium Balance in the Red-spotted Newt, *Notophthalmus viridescens,* 602
Energetic Cost of Feather Synthesis Is Proportional to Basal Metabolic Rate, The, 490
Energetics of Lifetime Reproductive Success in the Zebra Finch *Taeniopygia guttata,* The, 946
Energetics of Reproduction in the Common Shrew (*Sorex araneus*): A Comparison of Indirect Calorimetry and the Doubly Labeled Water Method, 964
Energy Acquisition and Allocation in Male Collared Lemmings (*Dicrostonyx groenlandicus*): Effects of Photoperiod, Temperature, and Diet Quality, 537
Energy-dependent Water Vapor Absorption (WVA) in the Pleoventral Cavity of Terrestrial Isopods (Crustacea, Isopoda, Oniscidea): Evidence for Pressure Cycling as a Supplement to the Colligative Uptake Mechanism, 193
Energy Transfer by Lactating Hooded Seals and Nutrient Deposition in Their Pups during the Four Days from Birth to Weaning, 412
Estimation of Splenic Volume and Its Relationship to Long-Duration Apnea in Seals, 619

FEDAK, MIKE, 43
FERNS, PETER N., 20
FINELLI, ALYCE L., 148
FISCHER, ROBERT U., JR., 902
Food Intake Rate and Body Mass Influence Transit Time and Digestibility in the Desert Tortoise (*Xerobates agassizii*), 847
Frogs in Helium: The Anuran Vocal Sac Is Not a Cavity Resonator, 793

Gas Exchange, Ventilatory Patterns, and Water Loss in Two Lubber Grasshoppers: Quantifying Cuticular and Respiratory Transpiration, 628
GERWIEN, ROBERT W., 148
GOLDSTEIN, DAVID L., 708
GUDERLEY, HELGA E., 474
GUGLIELMO, CHRISTOPHER G., 580

HADLEY, NEIL F., 628
HANDRICH, YVES, 750

HEINRICH, BERND, 257
HILLYARD, STANLEY DONALD, 89
HINSLEY, SHELLEY A., 20
HOFF, KARIN VON SECKENDORFF, 89
HOROWITZ, MICHAL, 829
HUME, IAN D., 396, 807

Influence of Incubation Temperature and Family on Eggs, Embryos, and Hatchlings of the Smooth Softshell Turtle (*Apalone mutica*), The, 349
Inhibition of Cutaneous Water Absorption in Dehydrated Toads by Saralasin Is Associated with Changes in Barometric Pressure, 89
IVERSON, SARA J., 61

JAKUBAS, WALTER J., 580
JANZEN, FREDRIC J., 349
JOHN-ALDER, HENRY B., 148
JOSEFSSON, LARS, 181

KARASOV, WILLIAM H., 580
KENAGY, G. J., 396
KOOYMAN, GERALD L., 732

LARSEN, TERJE S., 926
LEMON, WILLIAM C., 946
LILLYWHITE, HARVEY B., 1000
LINDSTRÖM, ÅKE, 490
Lipid Deposition and Use by Black-tailed Prairie Dogs, *Cynomys ludovicianus*, in the Natural Environment, 561
LOVERA, MILAGROS, 374

MCDEVITT, R. M., 1045
MACHIN, JOHN, 193
MCNEIL, SHELLY A., 307
MARTIN-ROBICHAUD, D. J., 289
Measurement of Basal Metabolic Rates: Don't Lose Sight of Reality in the Quest for Comparability, Technical Comment, 1045
Mechanisms of Growth Rate Reduction in Acid-exposed Larval Salamanders, *Ambystoma maculatum*, 686
MEIENBERGER, CHRISTIAN, 847
MERCIER, A. JOFFRE, 237
Metabolic Adaptions to Fasting in Harp Seal Pups, 926
Metabolic Rates of Female Viviparous Lizards (*Sceloporus jarrovi*) throughout the Reproductive Cycle: Do Pregnant Lizards Adhere to Standard Allometry? 166
Metabolism of a Desert Lizard: The Effects of Mass, Sex, Population of Origin, Temperature, Time of Day, and Feeding on Oxygen Consumption of *Sceloporus merriami*, 128
MICHELANGELI, FABIÁN, 374
Microbial Digestive Symbionts of the Crop of the Hoatzin (*Opisthocomus hoazin*): An Avian Foregut Fermenter, 374
MORGAN, KENNETH R., 396

NAGY, KENNETH A., 847
NAGY, TIM R., 537
NEGUS, NORMAN C., 537
NELSON, RANDY J., 99
NICOL, STEWART, 720
Nitrogen Excretion and Enzyme Pathways for Ureagenesis in Freshwater Tilapia (*Oreochromis niloticus*), 881
Nitrogen Metabolism and Requirements of Nitrogen and Energy in the Wombats (Marsupialia: Vombatidae), 807
NOLAN, JOHN V., 807
NORDØY, ERLING S., 926

OFTEDAL, OLAV T., 61, 412
Orthostatic Intolerance of Viperid Snakes, 1000
OVERALL, KAREN L., 128

PACKARD, GARY C., 115
PACKARD, MARY J., 115
Peptidergic Modulation of Cardiac Performance in Isolated Hearts from the Shore Crab *Carcinus maenas*, 237
PETERSON, R. H., 289

PINDER, ALAN W., 216
PINSHOW, BERRY, 20, 829
PONGANIS, PAUL J., 732
POPPITT, SALLY D., 964
PREEST, MARION R., 686

QUINLAN, MICHAEL C., 628

RACEY, PAUL A., 643, 664, 964
RAND, A. STANLEY, 793
Rates of Ionic Diffusion across the Egg Chorion of Atlantic Salmon (*Salmo salar*), 289
Reproductive Energetics of the Tenrecidae (Mammalia: Insectivora). I. The Large-eared Tenrec, *Geogale aurita*, 643
Reproductive Energetics of the Tenrecidae (Mammalia: Insectivora). II. The Shrew-Tenrecs, *Microgale* spp., 664
RICKLEFS, ROBERT E., 455, 771
ROBINSON, GERALD D., 602
Role of the Lymphatic System in Water Balance Processes in the Toad *Bufo marinus* (L.), The, 307
Roles of Diet Protein and Temperature in the Growth and Nutritional Energetics of Juvenile Slider Turtles, *Trachemys scripta*, 902
ROTHSCHILD, ELISABETH L., 708

Seasonal Patterns of Time and Energy Allocation by Birds, 511
SHEA, RUSSELL E., 455
Simulated Drought Affects Male Reproductive Function in Deer Mice (*Peromyscus maniculatus bairdii*), 99
Skeletal Muscle Growth, Enzyme Activities, and the Development of Thermogenesis: A Comparison between Altricial and Precocial Birds, 455
SMITS, ALLAN W., 216
SOMERO, GEORGE N., 863
Sources of Variation in Laboratory Measurements of Water Relations of Reptilian Eggs and Embryos, 115
SPEAKMAN, JOHN R., 964, 1045
Species- and Tissue-specific Synthesis Patterns for Heat-Shock Proteins HSP70 and HSP90 in Several Marine Teleost Fishes, 863
SPOTILA, JAMES R., 902
STANDORA, EDWARD A., 902
STEINBERG, MICHAEL B., 148
STEPHENSON, PETER J., 643, 664
SUAREZ, PAULA, 374
SULLIVAN, KIMBERLY A., 511

Temperature-dependent Color Change in Kenyan Chameleons, 270
THOMAS, DAVID H., 20
THOMAS, DONALD W., 322
THOMPSON, TODD A., 561
TOEWS, DANIEL P., 307
TUMA, MARIA CAROLINA B., 181

VISSER, G. HENK, 490, 771
VOGT, F. DANIEL, 257

WALLIS, IAN R., 847
WALTON, B. MICHAEL, 270
Water Flux, Body Composition, and Metabolic Rate during Molt in Female Southern Elephant Seals (*Mirounga leonina*), 43
WEATHERS, WESLEY W., 511
WENTZELL, LEE A., 307
WILKENS, JERREL L., 237
WILKIN, PETER J., 1015
WILLIAMS, MARC H., 1015
WRIGHT, JONATHAN C., 193
WRIGHT, PATRICIA A., 881